

<b>GRUNDIG</b> electronic	<b>Oscilloscope MO 22</b>	40013-942.11
Datum / Date 03.86	20-MHz-Oscilloscope/20-MHz oscilloscope S. Nr. 9.40012-1404	Deutsch English

## Schaltbild / Circuit diagram

### INHALT Contents

### Blatt Page

**Blockschaltbild**  
Block diagram

40013-921.01

1

**Leiterplatte X-Ablenkung**  
PCB X deflection

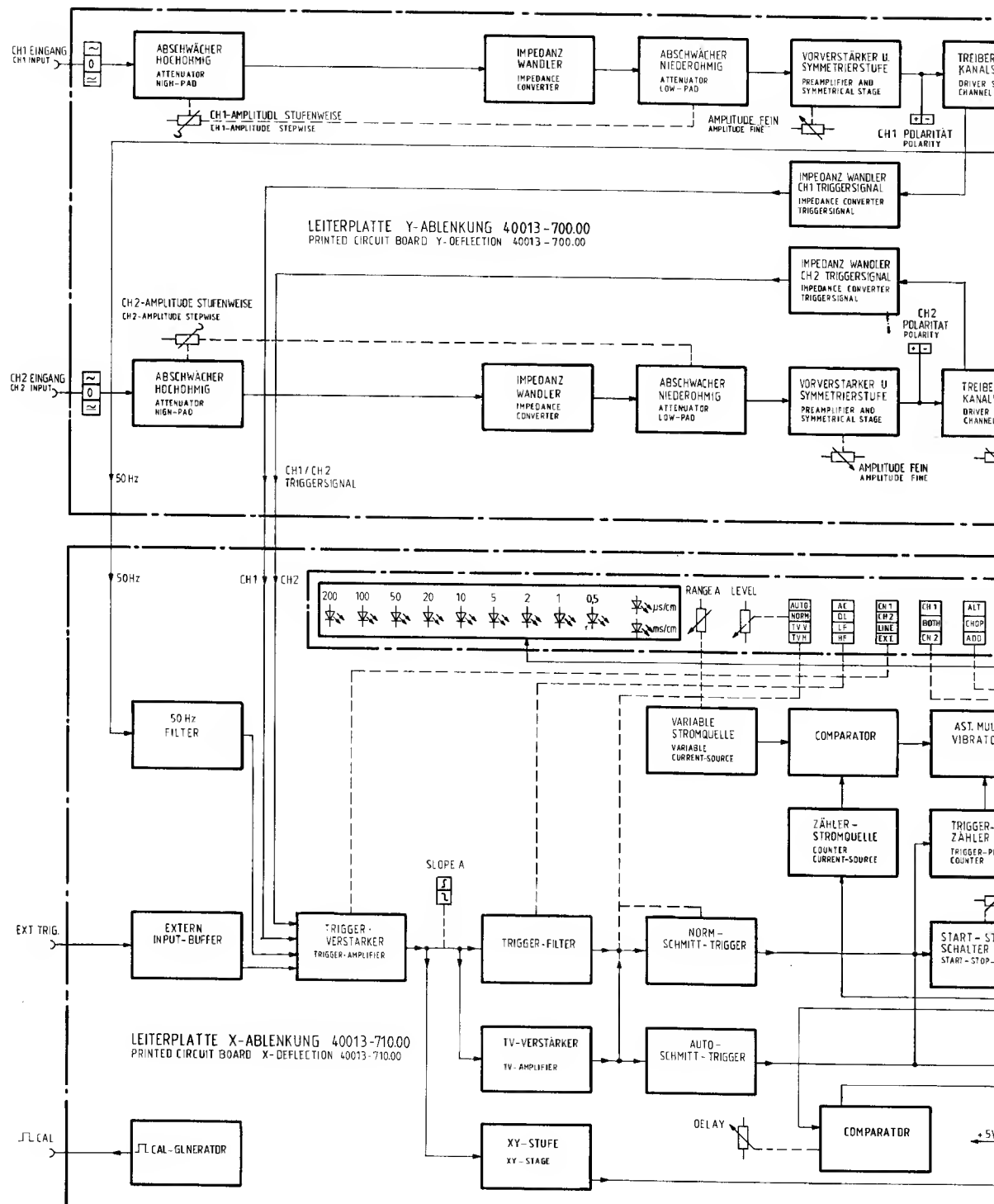
40013-710.00

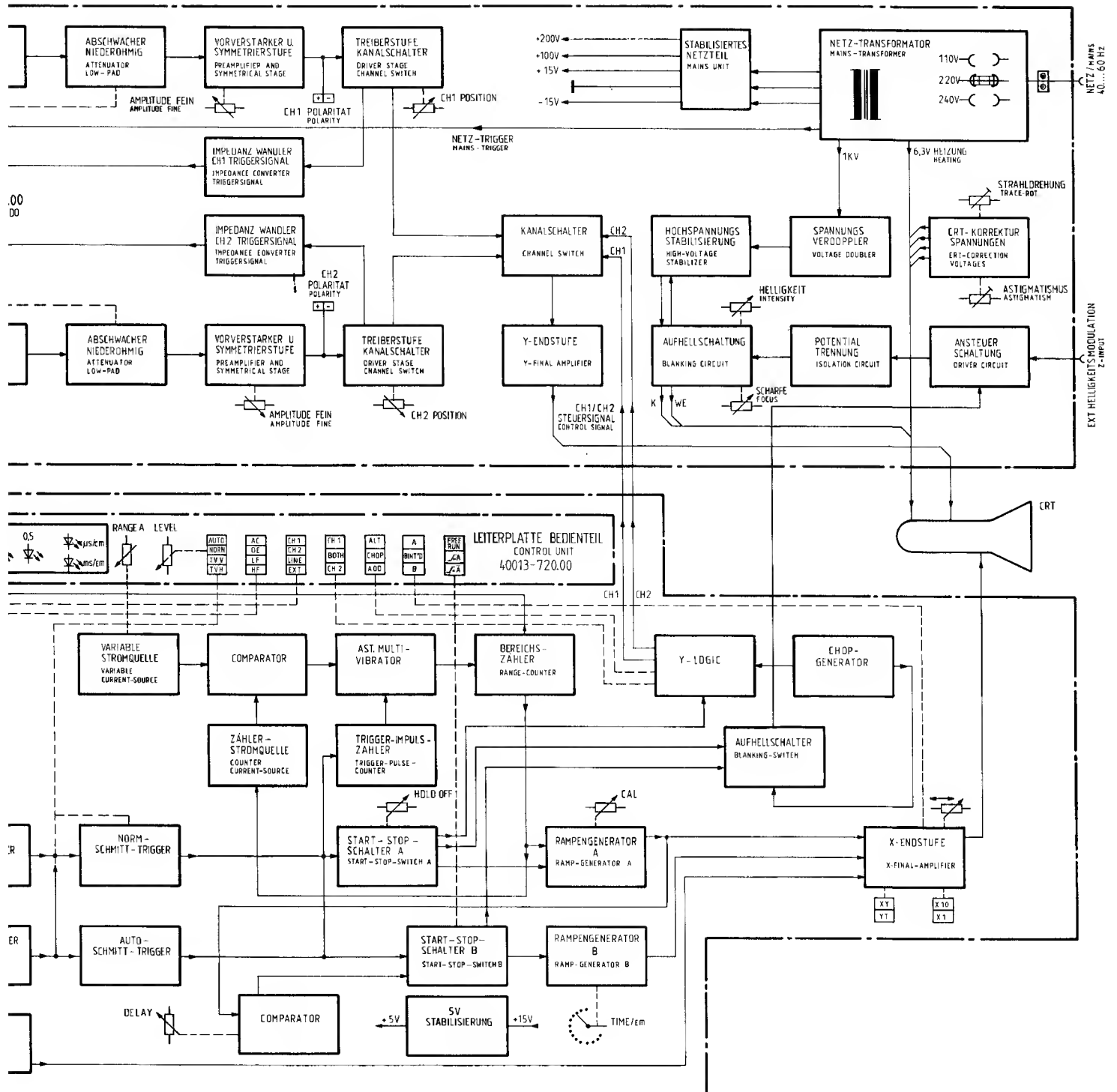
2

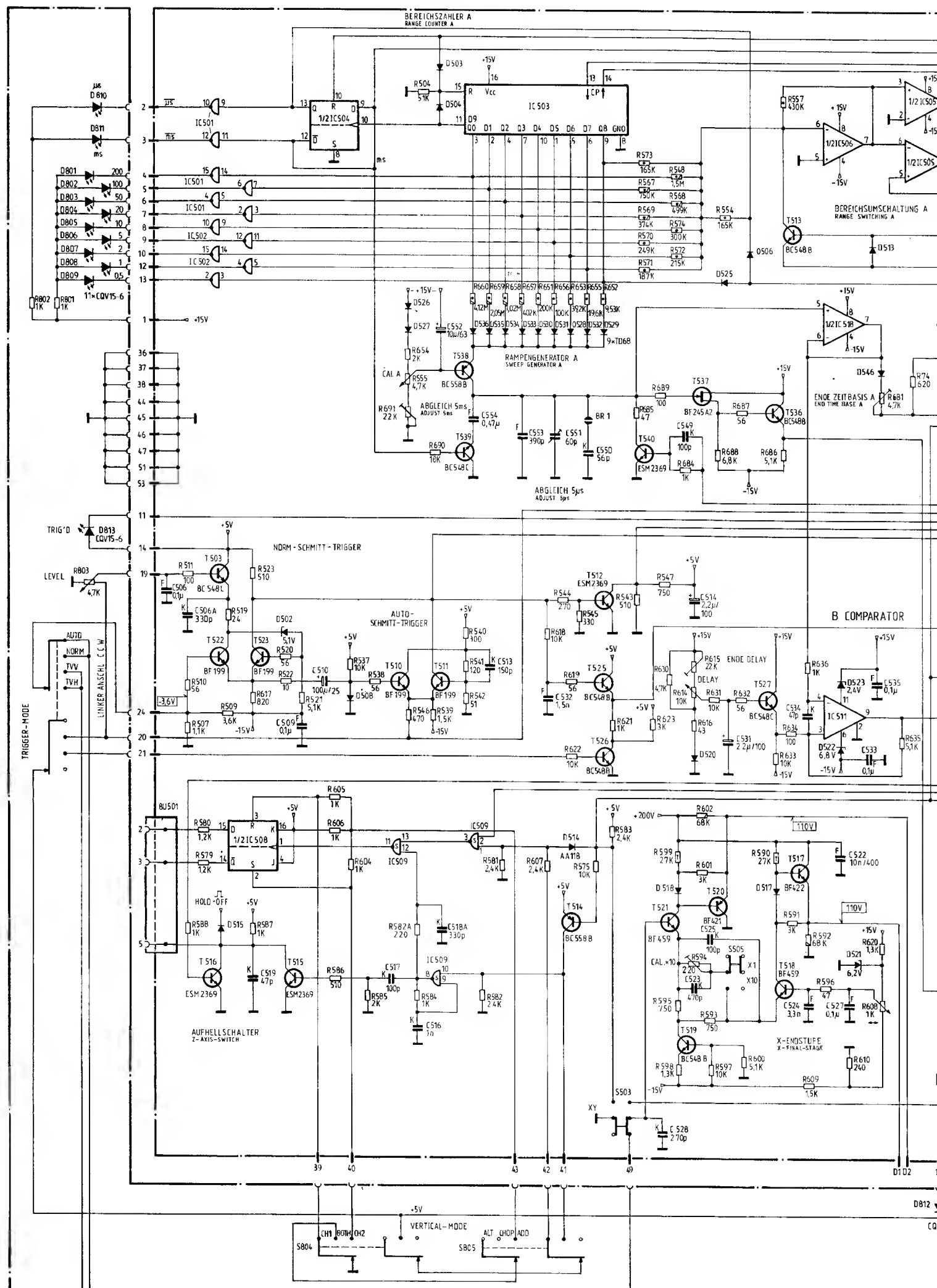
**Leiterplatte Y-Ablenkung**  
PCB Y deflection

40013-700.00

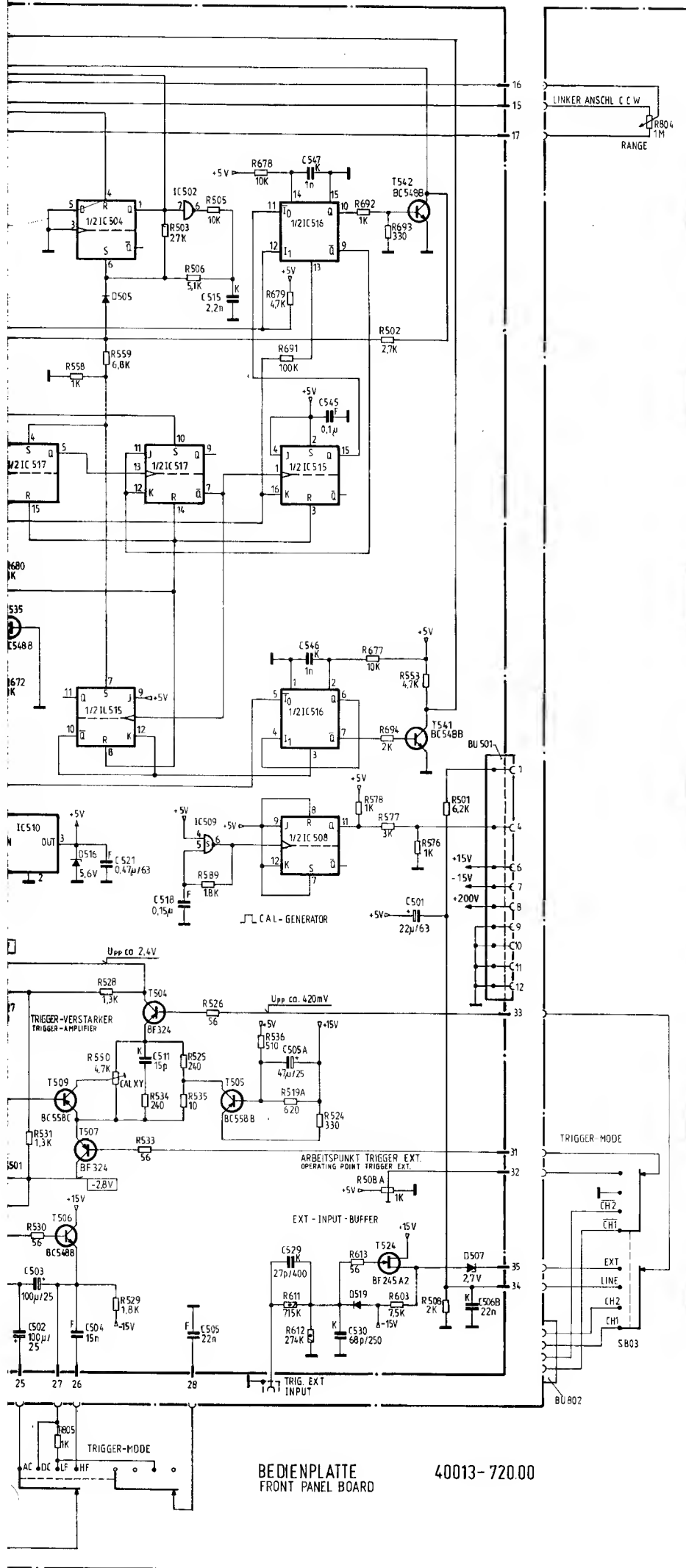
3











MESSBEDINGUNGEN: BETRIEBSART CH1, SIGNALPEGEL  $\Delta$  60mm  
 MEASURING CONDITIONS: OPERATING MODE CH1, SIGNAL LEVEL  $\Delta$  60mm

AUSLENKUNG MIT 1KHz SINUS  
 DEFLECTION WITH 1KHz SINUS

TRIGGER QUELLE: CH1  
 TRIGGER SOURCE: CH1

X-Y-BETRIEB  
 X-Y-MODE

X-STRAHLAGE MITTIG  
 X-BEAM POSITION CENTER

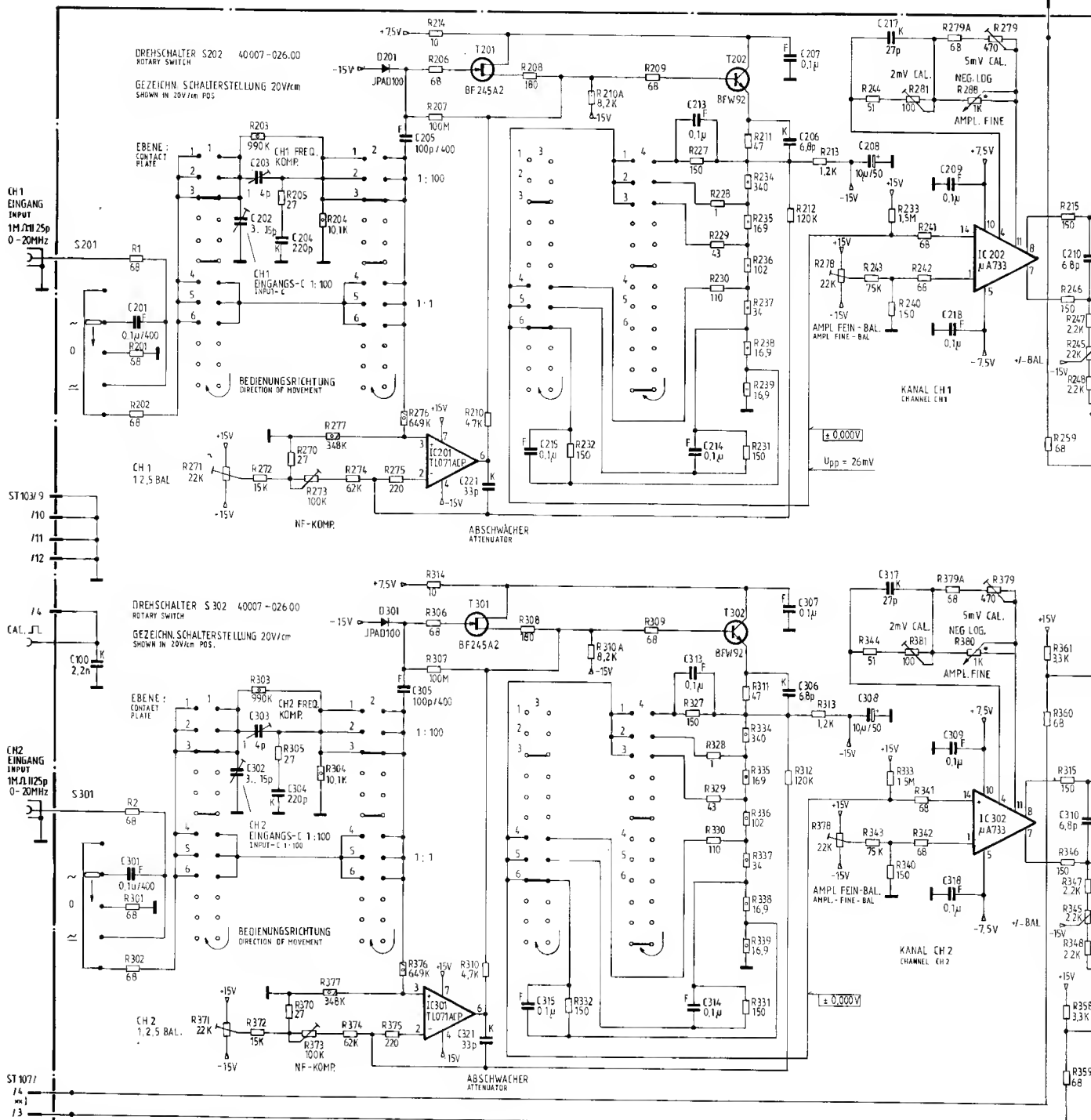
TYPE DER IC'S: S01 = HEF 4049  
 S02 = HEF 4049  
 S03 = HEF 4017  
 S04 = HEF 4013  
 S05 = MC 1458 S  
 S06 = TL 082/TL 072  
 S07 = MC 1458 S  
 S08 = SN 74 LS 76  
 S10 = MC 7805 CT  
 S11 = LM 710  
 S12 = SN 74 LS 112  
 S13 = SN 74 LS 112  
 S14 = SN 74 LS 132  
 S15 = SN 74 LS 76  
 S16 = HEF 4528  
 S17 = SN 74 LS 112  
 S18 = TL 082/TL 072

LE-DIODE  
 CQV 10-4  
 CQV 15-6  
 KATHODE

MSW 0204 MSW 0207 MDW 0617  
 MSW 0204 1% MSW 0207 1% 1N 4148  
 ELEKTROLYT K KERAMIK  
 ELECTROLYTIC CERAMIC  
 BF 199 BF 199 BF 245 BF 421 BF 422  
 BF 199 BF 199 BF 245 BF 421 BF 422  
 BF 199 BF 199 BF 245 BF 421 BF 422

ANSCHLUSSNUMMERN 1..12 SIND VERBINDUNGEN ZU ST 103  
 AUF LEITERPLATTE 40012-700.00  
 PIN CONNECTION 1..12 ARE CONNECTIONS TO ST 103  
 ON PRINTED CIRCUIT BOARD 40012-700.00

ÄNDERUNGEN VORBEHALTEN  
 ALTERATIONS RESERVED







SCHALTSIGNAL  
LENKUNG  
OL SIGNAL FROM  
ION

